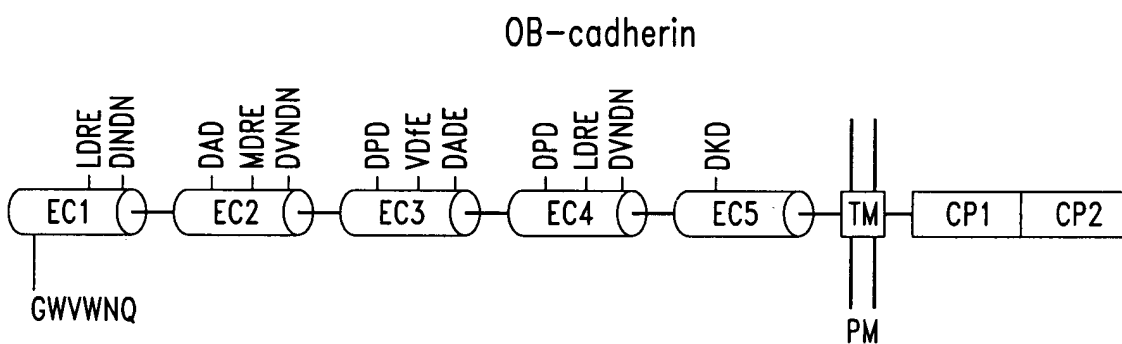
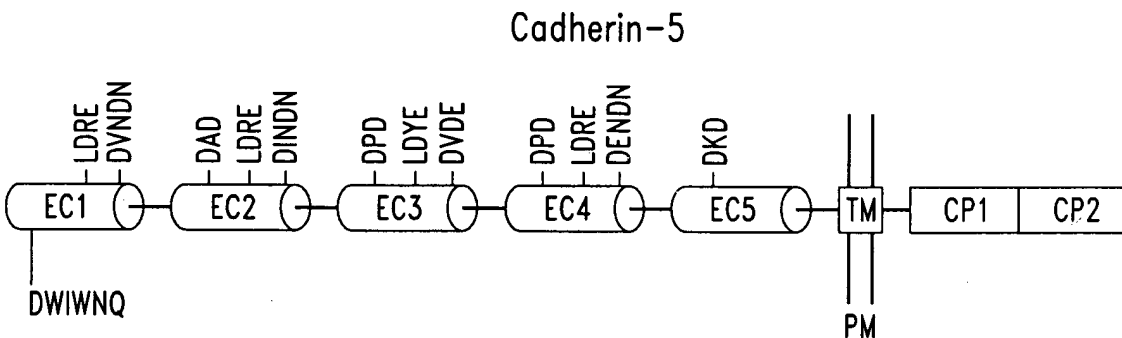


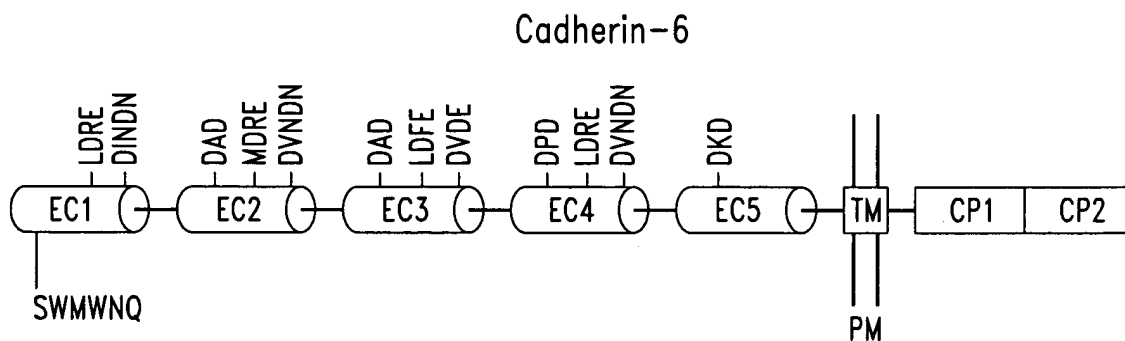
*Fig. 1A*



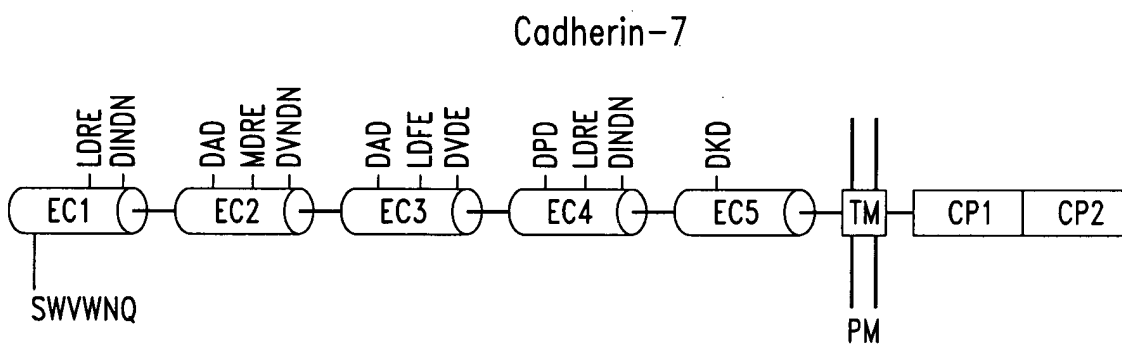
*Fig. 1B*



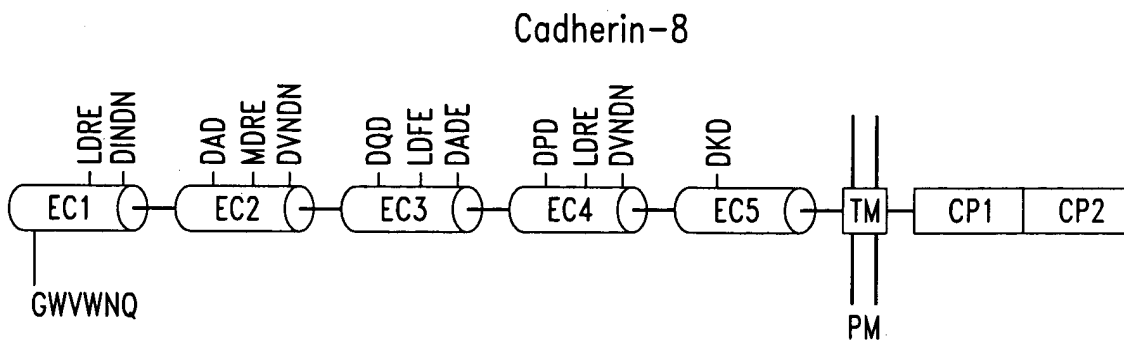
*Fig. 1C*



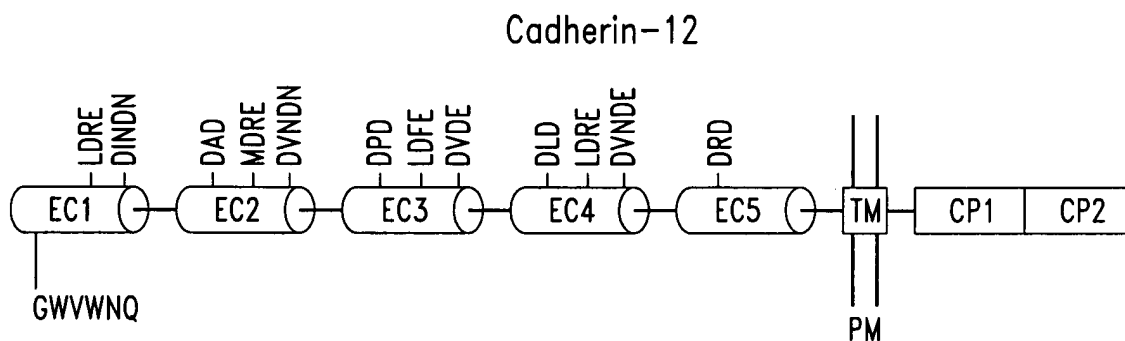
*Fig. 1D*



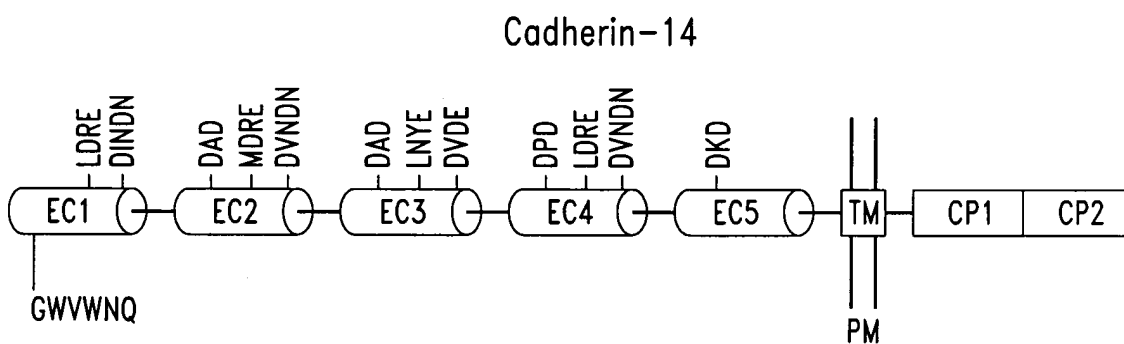
*Fig. 1E*



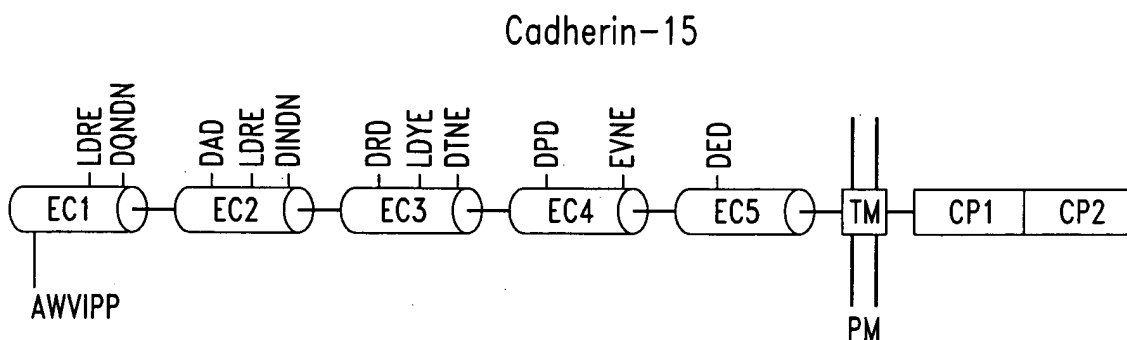
*Fig. 1F*



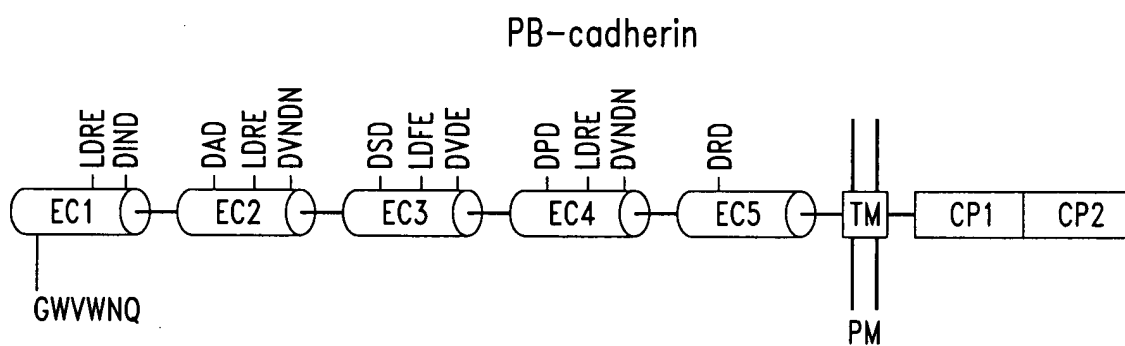
*Fig. 1G*



*Fig. 1H*



*Fig. 1I*



*Fig. 1J*

|       |     |  |
|-------|-----|--|
| Obcad | EC1 | RSKRGMWVWVQFFVIEEYTGPDVLVGR LHSDIDSGDGNIKYILSGEGAGTIFVDDKSGNIHATKTL DREERAQYTL MAQAVDRDTRNRL EPPSEFIKIVQDINDNPPEF  |
| Cad5  | EC1 | RQKRQWVWVWVQFFVIEEYTGPDVLVGR LHSDIDSGDGNIKYILSGEGAGTIFVDDKSGNIHATKTL DREERAQYTL MAQAVDRDTRNRL EPPSEFIKIVQDINDNPPEF |
| Cad6  | EC1 | PSKRSMWVWVQFFVIEEYTGPDVLVGR LHSDIDSGDGNIKYILSGEGAGTIFVDDKSGNIHATKTL DREERAQYTL MAQAVDRDTRNRL EPPSEFIKIVQDINDNPPEF  |
| Cad7  | EC1 | RTKRSMWVWVQFFVIEEYTGPDVLVGR LHSDIDSGDGNIKYILSGEGAGTIFVDDKSGNIHATKTL DREERAQYTL MAQAVDRDTRNRL EPPSEFIKIVQDINDNPPEF  |
| Cad8  | EC1 | PSKRGMWVWVQFFVIEEYTGPDVLVGR LHSDIDSGDGNIKYILSGEGAGTIFVDDKSGNIHATKTL DREERAQYTL MAQAVDRDTRNRL EPPSEFIKIVQDINDNPPEF  |
| Cad12 | EC1 | RVKRGMWVWVQFFVIEEYTGPDVLVGR LHSDIDSGDGNIKYILSGEGAGTIFVDDKSGNIHATKTL DREERAQYTL MAQAVDRDTRNRL EPPSEFIKIVQDINDNPPEF  |
| Cad14 | EC1 | RPKRGMWVWVQFFVIEEYTGPDVLVGR LHSDIDSGDGNIKYILSGEGAGTIFVDDKSGNIHATKTL DREERAQYTL MAQAVDRDTRNRL EPPSEFIKIVQDINDNPPEF  |
| PBcad | EC1 | RVKRGMWVWVQFFVIEEYTGPDVLVGR LHSDIDSGDGNIKYILSGEGAGTIFVDDKSGNIHATKTL DREERAQYTL MAQAVDRDTRNRL EPPSEFIKIVQDINDNPPEF  |

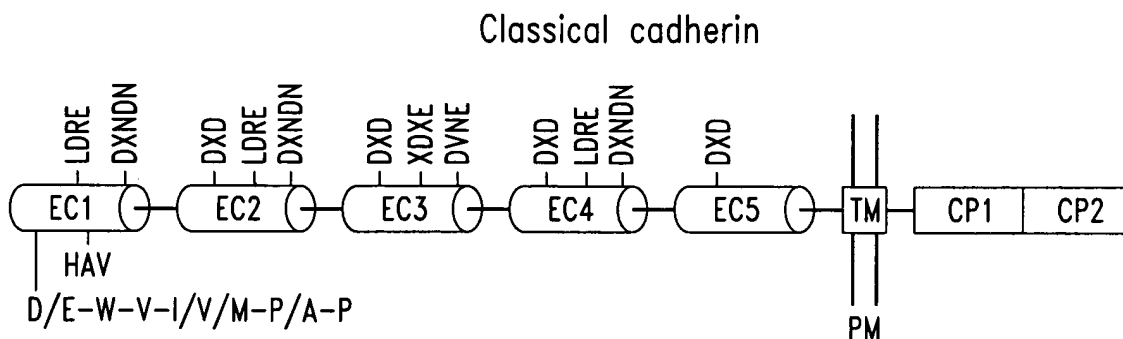
*Fig. 2*

Human GWVWNQFFVIEEYTGPDVVLVGR LHSDIDSGDGNIKYILSGEGAG  
Mouse GWVWNQFFVIEEYTGPDVVLVGR LHSDIDSGDGNIKYILSGEGAG

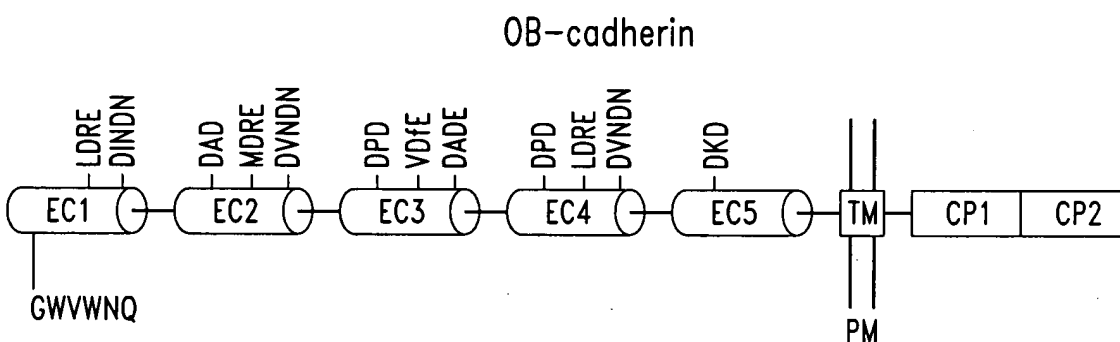
Human TIFVIDDKSGNIHATKTLDREERAQYTLMAQAVDRDTNRPLEPPS  
Mouse TIFVIDDKSGNIHATKTLDREERAQYTLMAQAVDRDTNRPLEPPS

Human EFIVKVQDINDNPPEF  
Mouse EFIVKVQDINDNPPEF

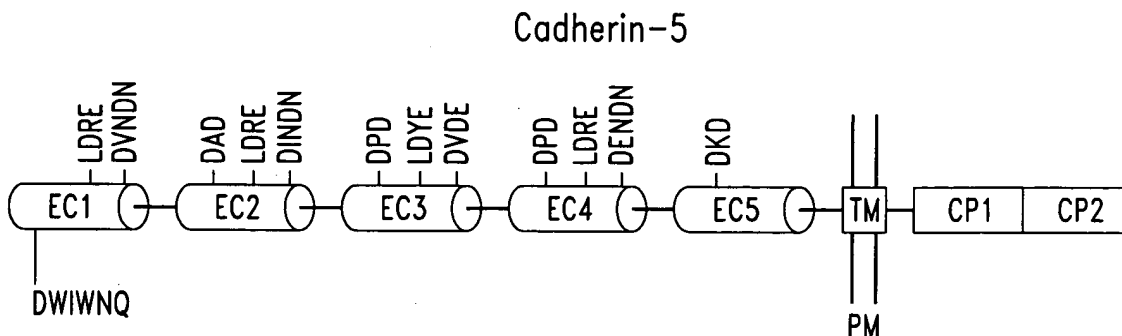
*Fig. 3*



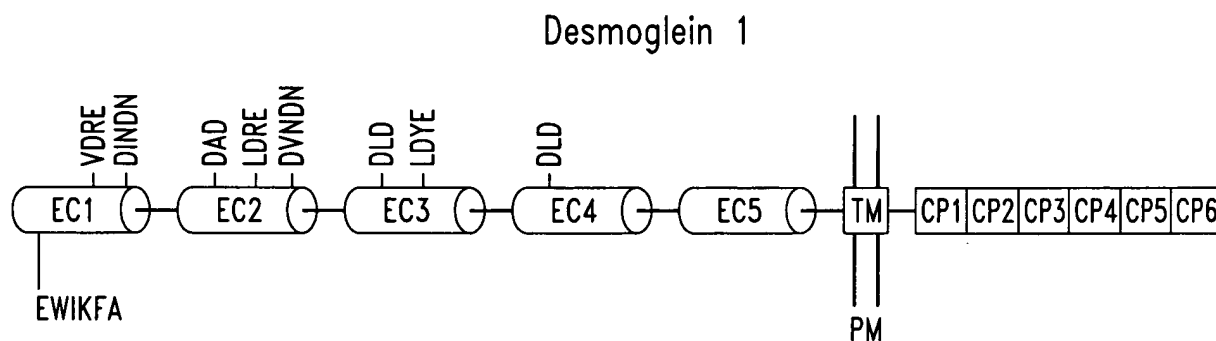
*Fig. 4A*



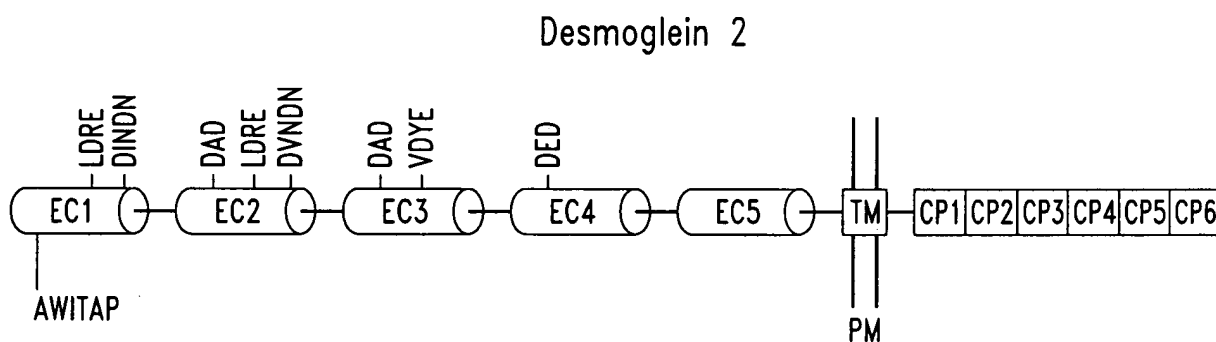
*Fig. 4B*



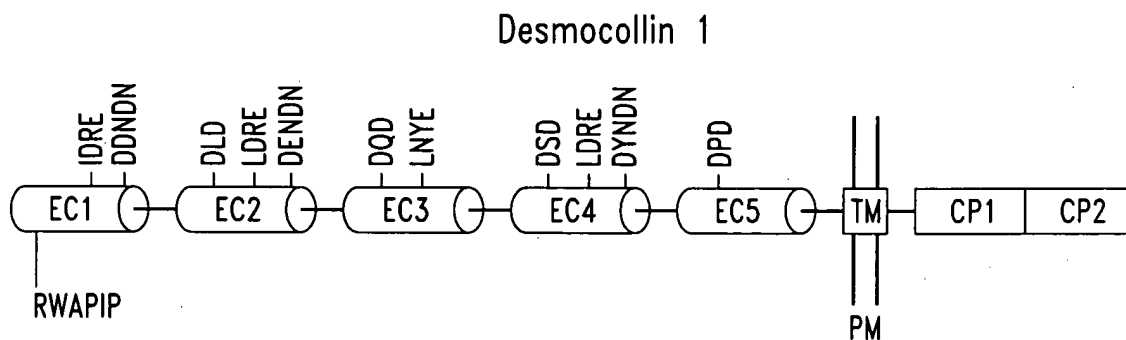
*Fig. 4C*



*Fig. 4D*

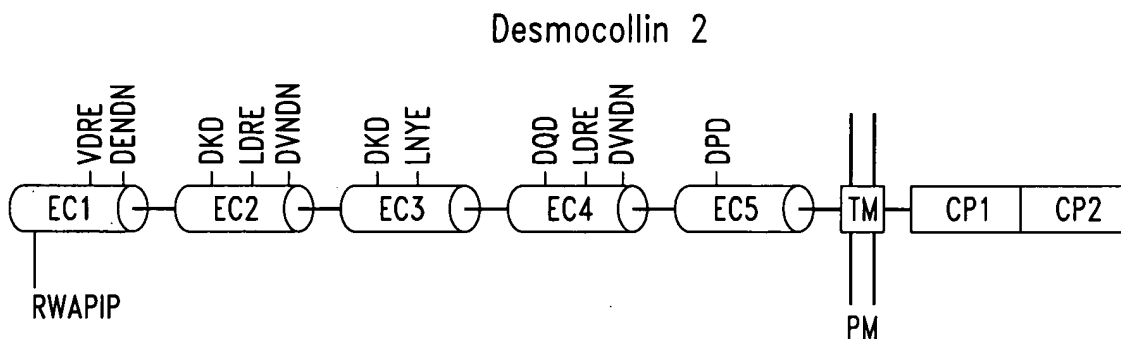


*Fig. 4E*

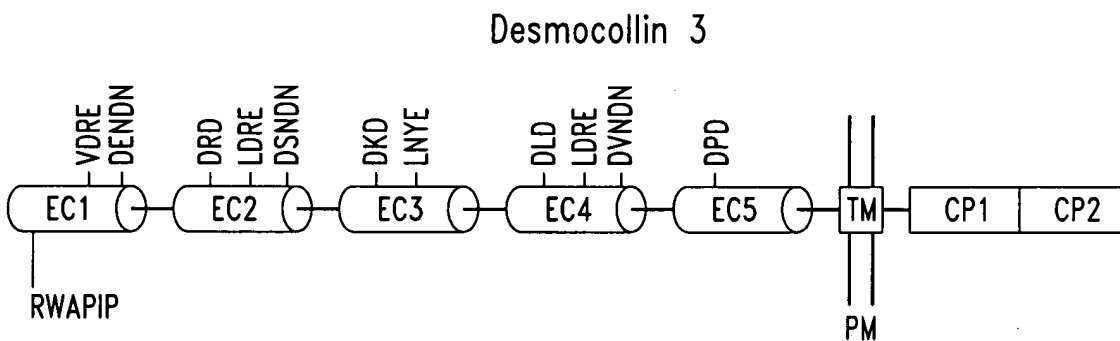


*Fig. 4F*

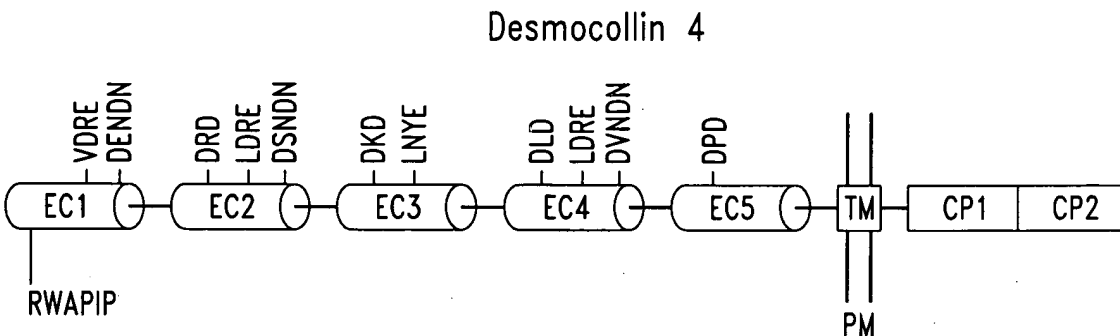




*Fig. 4G*



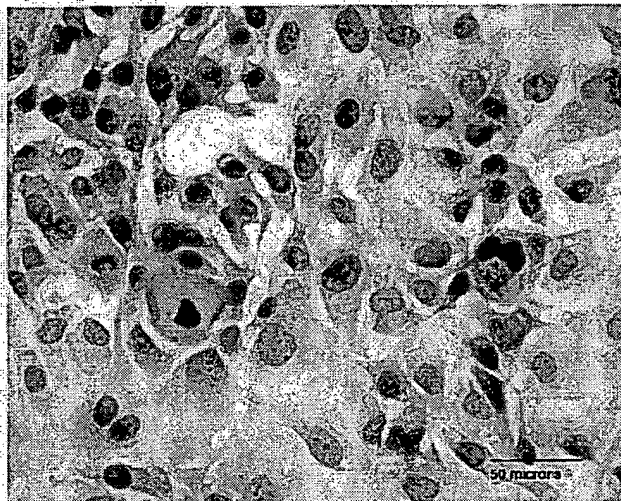
*Fig. 4H*



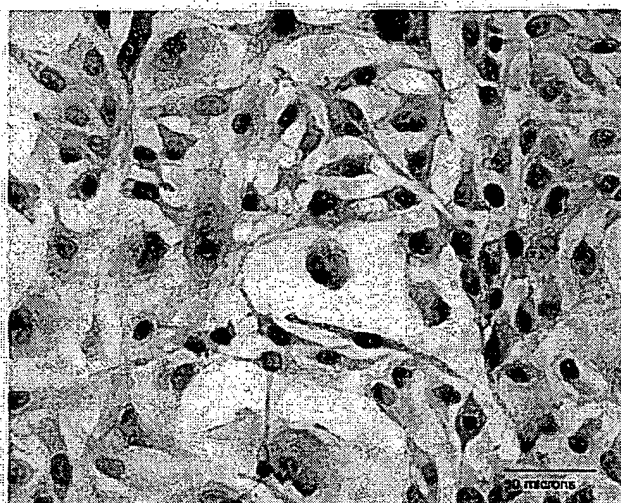
*Fig. 4I*

|            |   |
|------------|---|
| Human Dsg1 | EWIKFAAACREGEDNSKRNPIAKTHSDCAANQ--QVYTRISGVGIDQPPYGVIFVKNQKTGEINITSVDREVTPFFIYCRALNSMQDLERPLELRVRVLDINDNPPVF    |
| Bull Dsg1  | EWIKFAAACREGEDNSKRNPIAKTHSDCAANQ--QVYTRISGVGIDQPPYGVIFVKNQKTGEINITSVDREVTPFFIYCRALNSMQDLERPLELRVRVLDINDNPPVF    |
| Human Dsg2 | AWITAPVALREGEDLSKKNP IAKTHSDLAERGLKITYKYTGKITEPPFGIFVFNKOTGELNWTSLDREETPFFLTGYALDAGNNVEKPLELRVLDINDNEPVF        |
| Human Dsg3 | EWKFAKPCREGEDNSKRNPIAKTSDVQATQ--KITTYRISGVGIDQPPFGIFVVDKNTGDIINITAIVDREETPSFLITCRALNAQGLDVEKPLILT VKILDINDNPPVF |
| Mouse Dsg3 | EWKFAKPCREREDNSRNPIAKITSDFOKIQ--KITTYRISGVGIDQPPFGIFVVDPNNGDINITAIVDREETPSFLITCRALNALGQDVERPLILT VKILDINDNPPVF  |
| Human Dsg4 | EWIKFAAACREGEDNSKRNPIAKTRSDCESNQ--KITTYRISGVGIDRPPYGVFTINPRTGEINITSVDREITPLFIYCRALNSRGEDLERPLELRVKVMDINDNAPVF   |
| Mouse Dsg4 | EWIKFAAACREGEDNSKRNPIAKTRSDCEVSQ--KITTYRISGVGIDRPPYGVFTINPRTGEINITSVDREITPLFIHCRALNSRGEDLERPLELRVKVMDVNDNPPVF   |
| Mouse Dsg5 | EWIKFAAACREGEDNSKRNPIAKTHSDCAANQ--PVYTRISGVGIDQPPYGVIFVKNQKTGEINITSVDREVTPFFIYCRALNAQGDLENPLELRVRVMDINDNPPVF    |
| Mouse Dsg6 | EWIKFAAACREGEDNSKRNPIAKTHSDCAANQ--PVYTRISGVGIDQPPYGVIFVKNQKTGEINITSVDREVTPFFIYCRALNAQGDLENPLELRVRVMDINDNPPVF    |
| Human Dsc1 | RWAPIPASLMENSLGPFPHVQIQSDAAQNY--TIFYSTSGPGVDKEPNLFYIEKOTGDICTRSIDREKYEQFALYGYATTADGYAPEYPLPLI IKIEDNDNAPVF      |
| Mouse Dsc1 | RWAPIPCSLMENSLGPFPHVQIQSDAAQNY--TIFYSTSGPGVDKEPNLFYIEKOTGDICTRSIDREKYEQFALYGYATTADGYAPEYPLPLFKVEDDNDNAPVF       |
| Bull Dsc1  | RWAPIPCSLMENSLGPFPHVQVQSDAAQNY--TIFYSTSGPGVDKEPNLFFIEKOTGDICTRSIDREKYEQFALYGYATTADGYAPEYPLPLFKVEDDNDNAPVF       |
| Human Dsc2 | RWAPIPCSLMENSLGPFPLFLQVQSDTAQNY--TIYYSIRGPGVDQEPNLFYIERDTGNLYCTRPVDREKYESEFIIAFATTPDGYTPELPLPLI IKIEDNDNYPVF    |
| Dog Dsc2   | RWAPIPCSMQENSLGPFPLFLQVQSDTAQNY--TIFYSTIRGPGVDREKPNLFYIERDTGNLYCTRPVDREKYESEFIIAFATTPDGYTPELPLPLVIRIEDNDNYPVF   |
| Human Dsc3 | RWAPIPCSMQENSLGPFPLFLQVQSDAAQNY--TVFYSTISGRGVQDKEPLNLFYIERDTGNLYCTRPVDREKYESEFIIAFATTPDGYTPELPLPLIRVEDENDNHPVF  |
| Mouse Dsc3 | RWAPIPCSMQENSLGPFPLFLQVQSDAAQNY--TVFYSTISGRGVQDKEPLNLFYIERDTGNLYCTRPVDREKYESEFIIAFATTPDGYTPELPLPLIRVEDENDNHPVF  |
| Bull Dsc3  | RWAPIPCSMQENSLGPFPLFLQVQSDAAQNY--TIFYSTISGRGVQDKEPLNLFYIERDTGNLYCTQPDVREEYDVFDLIAYASTADGYSDAFPLPLIRVEDENDNHPVF  |
| Human Dsc4 | RWAPIPCSMQENSLGPFPLFLQVQSDAAQNY--TVFYSTISGRGVQDKEPLNLFYIERDTGNLYCTRPVDREKYESEFIIAFATTPDGYTPELPLPLIRVEDENDNHPVF  |

Fig. 5



Control



ADH358

Confluent cultures of SKOV3 cells treated with  
ADH358 (1.0 mg/ml) for 24 h.

*Fig. 6*